

## INSTITUTE COLLOQUIA AND SEMINARS

April 1, 2015 - March 31, 2016

### 2015

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|-----------|---|---|
| April 7   | Prof. G.A. Souliotis, Laboratory of Physical Chemistry, Department of Chemistry, National and Kapodistrian University of Athens, Athens, Greece | <i>Microscopic Calculations of Low and Intermediate Energy Fission with the Constrained Molecular Dynamics (CoMD) Model</i> |
| April 13  | Academician Prof. Yuri Ogsnessian, JJINR, Dubna, Russia/Cyclotron Institute, Texas A&M University, College Station, Texas                       | <i>Distinguished Lecture Series No. 3 on Super Heavy Elements</i>   |
| April 20  | Academician Prof. Yuri Ogsnessian, JJINR, Dubna, Russia/Cyclotron Institute, Texas A&M University, College Station, Texas                       | <i>Distinguished Lecture Series No. 4 on Super Heavy Elements</i>   |
| April 21  | Dr. Livius Trache, “Horia Hulubei” National Institute for Physics and Nuclear Engineering (IFIN-HH), Bucharest, Romania                         | <i>Nuclear Methods and Results in the Study and Preservation of Cultural Heritage at IFIN-HH Bucharest</i>                  |
| April 27  | Academician Prof. Yuri Ogsnessian, JJINR, Dubna, Russia/Cyclotron Institute, Texas A&M University, College Station, Texas                       | <i>Distinguished Lecture Series No. 5 on Super Heavy Elements</i>   |
| April 28  | Dr. Aliya Nurmukhanbetova, Nazarbayev University, Astana, Kazakhstan  | <i>Progress in Nuclear Astrophysics at Astana, Kazakhstan</i>   |
| July 21   | Prof. J.N. De, Saha Institute of Nuclear Physics, Kolkata, India  | <i>Exploring the Equation of State of Nuclear Matter from Empirical Constraints</i>   |
| July 28   | Dr. Gorelik Mikhail, National Research Nuclear University “MEPhI”, Moscow, Russia   | <i>On the Properties of High-Energy Isoscalar Monopole (P-H)- Type Excitations in Medium-Heavy Mass Spherical Nuclei</i>    |
| August 11 | Prof. Sait Umar, Department of Physics & Astronomy, Vanderbilt University, Nashville, Tennessee   | <i>Nuclear Dynamics from Neutron Stars to Superheavy Elements</i>   |
| August 25 | Prof. Larry Zamick, Department of Physics and Astronomy at Rutgers, the State University of New Jersey, New Jersey                              | <i>Back to the Future: <math>J=0</math> Pairing and Maximum <math>J</math> Pairing in Nuclei</i>                            |

September 1	Prof. C. Dorso, Departamento de Física, FCEN, Universidad de Buenos Aires, Buenos Aires, Argentina	<i>Italian Delicacies Served in Neutron Stars Crust</i>
September 8	Dr. Danyang Pang, Baihang University, Beijing, China	<i>Status of Deuteron Stripping Reaction Theories</i>
September 29	Dr. Charles M. Folden III, Cyclotron Institute, Texas A&M University, College Station, Texas	<i>Chemistry and Nuclear Reactions at the Bottom of the Periodic Table</i>
November 3	Dr. P.M. Moller, Theoretical Division, LANL, Los Alamos, New Mexico	<i>Fission and Stability in the Heavy-Element Region in the Macroscopic-Microscopic Approach</i>
November 9	Dr. René Steinbrügge, Max Planck Institute für Kernphysik, Heidelberg, Germany	<i>Investigating Highly Charged Ions with Ultrabright Light Sources</i>
December 8	Dr. V.Z. Goldberg, Cyclotron Institute, Texas A&M University, College Station, Texas	<i>Mystery of <math>^9\text{He}</math> and Very Exotic Neutron Rich Light Nuclei</i>

## **2016**

January 11	Prof. Wladyslaw Trzaska, Department of Physics, University of Jyväskylä, Finland	<i>The Hunt for Neutrino Mass Hierarchy and CP Violation</i>
January 26	Dr. Cheuk-Yin Wong, Oak Ridge National Laboratory, Oak Ridge, Tennessee	<i>Wheeler's Toroidal Nuclei and Light-Mass Toroidal High-Spin Isomers</i>
February 2	Dr. Evgeny Tereshatov, Cyclotron Institute, Texas A&M University, College Station, Texas	<i>Cyclotron Institute Opportunities in Chemical Studies of Super Heavy Elements</i>
February 8	Dr. Shea Mosby, Nuclear Astrophysics and Structure, LANL, Los Alamos, New Mexico	<i>Neutron Capture by Any Means Necessary</i>
February 23	Prof. Sanjay Reddy, Institute for Nuclear Theory, University of Washington, Seattle, Washington	<i>Nuclear Astrophysics in the Multi-Messenger Era</i>
March 8	Prof. Jorge Piekarewicz, Department of Physics, Florida State University, Tallahassee, Florida	<i>Information and Statistics: A New Paradigm in the Study of Neutron Stars</i>

March 22	Prof. Anatoli Afanasjev, Department of Physics and Astronomy, Mississippi State University, Mississippi	<i>Covariant Density Functional Theory: Nuclei at the Extremes of Nuclear Landscape</i>
March 24	Dr. A. Wakhle, National Superconducting Cyclotron Laboratory, Michigan State University, East Lansing, Michigan	<i>Heavy-Ion Fusion Reactions with Neutron-Rich Radioactive Ion Beams</i>